

(a) *Bridge*. The term bridge means a lawful bridge over navigable waters of the United States, including approaches, fenders, and appurtenances thereto, which is used and operated for the purpose of carrying railroad traffic, or both railroad and highway traffic, or if a State, county, municipality, or other political subdivision is the owner or joint owner thereof, which is used and operated for the purpose of carrying highway traffic.

(b) *Bridge owner*. Bridge owner means any State, county, municipality, or other political subdivision, or any corporation, association, partnership, or individual owning, or jointly owning, any bridge, and, when any bridge shall be in the possession or under the control of any trustee, receiver, trustee in bankruptcy, or lessee, such term shall include both the owner of the legal title and the person or the entity in possession or control of such bridge.

(c) *Navigable waters*. Navigable waters of the United States means those waterbodies, except the territorial seas, which are subject to the ebb and flow of the tide, or are presently, or have been in the past, or may be in the future susceptible for use for purposes of interstate or foreign commerce.

(d) *Alteration*. The term alteration includes changes of any kind, reconstruction, or removal in whole or in part.

§ 277.5 General.

Pub. L. 647 as amended, (33 U.S.C. 511-523) commonly referred to as the "Truman-Hobbs Act" provides for the alteration of railroad and highway bridges when found unreasonably obstructive to navigation. Section 6 of that Act establishes policies for the apportionment of such bridge alteration costs. Public Law 89-670, transferred to the Secretary of Transportation from the Secretary of the Army the responsibility for administration of the Act. Pursuant to this responsibility, the Secretary of Transportation has established implementing procedures based on those previously adopted and utilized by the Chief of Engineers prior to 15 October 1966. This regulation adapts these cost apportionment procedures, found in reference § 277.3(c), to Corps of Engineers planning.

§ 277.6 Basic policies.

(a) The cost apportionment principles of 33 U.S.C. 516, are applicable to the costs of bridge alterations recommended by reporting officers in the interest of navigation during preauthorization planning, including studies conducted under the Continuing Authorities Program (ER 1105-2-50).

(b) The bridge owner shall bear such part of the cost as is attributable to the direct and special benefits which will accrue to the bridge owner as a result of the alteration, including the expected savings in repair or maintenance costs. That part of the cost attributable to the requirements of railroad or highway traffic shall also be borne by the bridge owner, to include any expenditure for increased carrying capacity of the bridge, and such proportion of the actual capital cost of the old bridge as the used service life bears to the total estimated service life.

(c) In general, the Federal government's participation in the cost of a bridge alteration shall be limited to providing a functional facility equal in every respect, as near as possible, to the existing facility, while also providing navigational clearances required to meet the anticipated and reasonable needs of navigation.

(d) If the bridge owner or other local interests desire improvements or modifications in the new bridge design for reasons other than that required by the navigation improvement project, the reporting officer may recommend such improvements if such local interests provide necessary assurances to pay the costs apportioned to them.

(e) In the case of small boat harbors and channels, the costs of bridge alterations, strictly for recreation navigation shall be apportioned in accordance with the procedures provided in this regulation. Bridge alteration costs associated with small boat harbors and channels and not apportioned to the bridge owner by the procedures in this regulation, shall be cost shared on the basis of 50 percent Federal and 50 percent non-Federal, the same as the costs of other general navigation facilities.

(f) Reporting officers shall obtain letters of intent from local interests for non-Federal costs apportioned under

the provisions of this regulation, in accordance with established procedures for preauthorization feasibility studies. If such letters cannot be obtained from the bridge owner, the reporting officers shall then include in their report a statement that the cost of such alterations shall be borne by the bridge owner or, in the alternative, be apportioned between the bridge owner and the Government as provided under the principles of Section 6 of the Truman-Hobbs Act (33 USC 516).

§ 277.7 Coordination with the U.S. Coast Guard.

In accordance with an agreement signed by the Chief of Engineers on 18 April 1973, (EP 1165-2-2 for a copy of the agreement), reporting officers shall consult with the Coast Guard on contemplated and recommended navigation improvements which involve the consideration of bridge alterations. Determination of navigational requirements for horizontal and vertical clearances of bridges across navigable waters is a responsibility of the Coast Guard. The Chief of Engineers shall coordinate preauthorization feasibility reports, which include recommended bridge alterations, with the Commandant, U.S. Coast Guard.

§ 277.8 Procedures for apportionment of costs.

This paragraph provides the procedures for apportionment of costs of bridge alterations, as established by the U.S. Coast Guard (reference § 277.3(c)) and adapted for use in Corps planning and construction programs. A sample apportionment of the cost of a hypothetical bridge alteration is provided in Appendix B.

(a) *Calculate the total estimated cost of bridge alteration.* The total estimated cost, to be apportioned by these procedures, includes the cost of all necessary appurtenances required to complete the alteration for use by both highway and railway traffic, including engineering, design and inspection.

(b) *Determine the salvage value of bridge to be altered.* The salvage value represents the worth of the materials in the old bridge which may be used for scrap or for other purposes. The value

will vary depending on the intended use of the materials.

(c) *Determine direct and special benefits—(1) Removing old bridge.* The bridge owner shall pay a share of the removal cost computed as that part of the removal cost that the used service life bears to the total estimated service life. The share of the bridge owner, thus computed, represents an obligation incurred by the owner now by reason of the needs of navigation which otherwise would not have to be met until the bridge had reached the end of its useful life. Accordingly, the present worth of the amount is computed deferred over the unexpired life. The discount rate to be used in the present worth computation is that established by the Water Resources Council, current at the time of the study.

(2) *Fixed charges.* A fixed charge such as engineering, design, and inspection costs, realtor and counsel fees, and the bridge owner's administrative expenses is an undistributed cost, shared in the ratio that each party shares in the cost of construction less fixed charges. In computing the bridge owner's share of the fixed charges, all other financial liabilities assigned to the bridge owner shall be included in the computation.

(3) *Contribution.* If a third party should be involved in a bridge alteration project, such as a party which might benefit from some reasonable modification beyond the needs of navigation and the needs and desires of the bridge owner, that party would be responsible for the incremental costs of such further modification, and such costs would not enter into the apportionment between the bridge owner and the Federal Government.

(4) *Betterments.* Items desired by the bridge owner, but which have no counterpart in the old bridge or are of higher quality than similar items in the old bridge, will be included under this heading. Items considered to fall within this category are listed below. It is intended this list serve as a guide to indicate the types of items that may be considered betterments. The cost of such items will be borne by the bridge owner.

(i) Access roads.

(ii) Concrete or stone finish of embankment slopes instead of seeding.